

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**Proposed**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:020**

**Permittee Name:** Publishers Printing Company  
Shepherdsville Facility  
**Mailing Address:** 100 Frank E. Simon Avenue  
Shepherdsville, Kentucky 40165

**Source Name:** Same as above  
**Mailing Address:** same as above

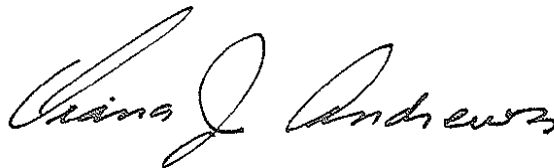
**Source Location:** 100 Frank E. Simon Avenue  
Shepherdsville, Kentucky

**Permit Number:** V-06-041  
**Source A. I. #:** 469  
**Activity #:** APE20050002  
**Review Type:** Title V/Synthetic Minor/Non-CTG RACT  
**Source ID #:** 21-029-00019

**Regional Office:** Division for Air Quality  
Frankfort Regional Office  
643 Teton Trail, Suite B  
Frankfort, KY 40601  
502) 564-3358

**County:** Bullitt

**Application Complete Date:** November 11, 2005  
**Issuance Date:** November 3, 2006  
**Revision Date:**  
**Expiration Date:** November 3, 2011



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**John S. Lyons, Director  
Division for Air Quality**

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Permit #	Permit Type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
V-99-063	Initial	50243	June 29, 1998	June 26, 2001	Initial
V-06-041	Renewal	APE20050002	November 11, 2005	November 3, 2006	Proposed

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

**Emission Point 01 (Press 437):** Hantscho Mark VI 6 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 30 lbs/hr  
Fountain solution: 2.9 lbs/hr  
Manual Blanket wash: 0.34 gal/hr  
Natural Gas Fired Dryer: 2.56 mmBtu/hr  
Construction commenced: December 1983

**Emission Point 02 (Press 441):** HantschoMark II 2 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 20 lbs/hr  
Fountain solution: 2.9 lbs/hr  
Manual Blanket wash: 0.11 gal/hr  
Two Natural Gas Fired Dryers: 1.8 mmBtu/hr each  
Construction commenced: January 1978

**Emission Point 03 (Press 442):** Hantscho Mark IV 4 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 50 lbs/hr  
Fountain solution: 1.1 lbs/hr  
Manual Blanket wash: 0.23 gal/hr  
Natural Gas Fired Dryer: 2.94 mmBtu/hr  
Construction commenced: May 1995

**Emission Point 04 (Press 444):** Harris M-80 5 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 30 lbs/hr  
Fountain solution: 2.9 lbs/hr  
Manual Blanket wash: 0.14 gal/hr  
Natural Gas Fired Dryer: 0.96 mmBtu/hr  
Construction commenced: April 1979

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emission Point 05 (Press 446):** Hantscho Mark VI 8 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 50 lbs/hr

Fountain solution: 2.9 lbs/hr

Manual Blanket wash: 0.46 gal/hr

Two Natural Gas Fired Dryer: 2.2 mmBtu/hr each

Construction commenced: February 1978

**Emission Point 06 (Press 448):** Hantscho Mark VI 8 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 50 lbs/hr

Fountain solution: 2.9 lbs/hr

Manual Blanket wash: 0.46 gal/hr

Two Natural Gas Fired Dryer: 2.2 mmBtu/hr each

Construction commenced: May 1981

**Emission Point 07 (Press 449):** Hantscho Mark VI 5 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 30 lbs/hr

Fountain solution: 2.9 lbs/hr

Manual Blanket wash: 0.29 gal/hr

Natural Gas Fired Dryer: 2.2 mmBtu/hr

Construction commenced: June 1982

**Emission Point 08 (Press 450):** Harris M-80 5 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 30 lbs/hr

Fountain solution: 2.9 lbs/hr

Manual Blanket wash: 0.14 gal/hr

Natural Gas Fired Dryer: 1.925 mmBtu/hr

Construction commenced: January 1990

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emission Point 09 (Press 470):** Hantscho Mark VIA 9 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 50 lbs/hr  
Fountain solution: 2.9 lbs/hr  
Auto Blanket wash: 0.52 gal/hr  
Two Natural Gas Fired Dryer: 3.3 mmBtu/hr each  
Construction commenced: May 1987

**Emission Point 10 (Press 484)** Harris M-80 5 Unit Web Offset  
Heatset Lithographic Printing Press

**Description:**

Maximum continuous rating:

Ink: 30 lbs/hr  
Fountain solution: 2.9 lbs/hr  
Manual Blanket wash: 0.14 gal/hr  
Natural Gas Fired Dryer: 0.96 mmBtu/hr  
Construction commenced: March 1985

**Control Equipment:**  
See Section E

**APPLICABLE REGULATIONS:**  
401 KAR 50:012, General application

**1. Operating Limitations:**

- a. Usage rates and VOC contents of all VOC containing materials shall be restricted so as to meet the limitations in Section B.2;
- b. Each press and the control device shall be interlocked at all times during press operation;
- c. The following are the RACT (Reasonable Available Control Technology) requirements determined under 401 KAR 50:012:
  - i. A 90% VOC destruction efficiency by the regenerative thermal oxidizer controlling each press' dryer exhaust;

**Compliance Demonstration Method:**

The 90% VOC destruction efficiency by the regenerative thermal oxidizer will be demonstrated as per Section E.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- ii. Fountain solution as applied containing less than 3% by weight alcohol substitutes and containing no alcohol and no other VOC's

**Compliance Demonstration Method:**

The fountain solution requirement will be demonstrated through recordkeeping, No.5 of this section.

- iii. Blanket wash with a vapor pressure of less than 10 mmHg at 20 degrees C.

**Compliance Demonstration Method:**

The blanket wash requirement will be demonstrated through recordkeeping, No. 5 of this section.

- d. The following are the procedures for handling the used rags that have been used to wash the blankets on the presses:
  - i. 55 gallon drums with lids with a waiting period of 3 to 4 days.
  - ii. The used rags are collected, laundered off site by a rag laundering facility, and returned to the company for reuse.
- e. Negative pressure shall be maintained at each dryer's exhaust inlet when the corresponding press is in operation.

**2. Emission Limitations:**

VOC emissions from **Emission Point (Press 442)** shall not equal or exceed 40 tons/yr based on a 12 month rolling total to preclude applicability of 401 KAR 51:052, Review of new sources in or impacting upon nonattainment areas.

**Compliance Demonstration Method:**

The following formulas may be used in calculating emissions of VOC's from Press 442:

- a.  $\text{VOC emitted from ink (tons/month)} = \text{tons of ink used per month} \times 80\% \text{ ink not retained in paper} \times \% \text{ VOC content of ink} \times 100\% \text{ VOC capture efficiency} \times (1 - \text{VOC destruction efficiency of the thermal oxidizer})$
- b.  $\text{VOC emitted from fountain solution(tons/month)} = [\text{tons of fountain solution used per month} \times \% \text{ VOC content of fountain solution} \times 70\% \text{ VOC capture efficiency} \times (1 - \text{VOC destruction efficiency of the thermal oxidizer})] + [\text{tons of fountain solution used per month} \times \% \text{ VOC content of fountain solution} \times 30\% \text{ VOC not captured}]$
- c.  $\text{VOC emitted from manual blanket wash cleanup(tons/month)} = \text{gallons of blanket wash used per month} \times 50\% \text{ blanket wash not retained in rags} \times \text{VOC content of blanket wash(lbs/gal)} \times (1\text{ton}/2000\text{lbs})$
- d.  $\text{Total VOC's emitted} = \text{VOC's emitted from ink} + \text{VOC's emitted from fountain solution} + \text{VOC's emitted from blanket wash cleanup}$

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **3. Testing Requirements:**

- a. Testing shall be conducted at such times as may be required by the Cabinet in accordance with the Regulations 401 KAR 59:005 Section 2(2) and KAR 50:045 Section 3.
- b. See section E.

### **4. Specific Monitoring Requirements:**

See section E.

### **5. Specific Recordkeeping Requirements:**

- a. For Press **Emission Point 3 (Press 442)**, the permittee shall keep monthly records of the usage rates of all materials used at the press along with a calculation of total emissions of VOC for the current month and per 12 months. The emissions per 12 month totals shall be based on a 12 month rolling total. These records, as well as purchase orders and invoices for all VOC containing materials shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
- b. See Section E
- c. The permittee shall maintain records of the following information for the fountain solution being used:
  - i. The material safety data sheet of the fountain solution.
  - ii The as applied weight percentage of alcohol substitutes, alcohol, and total VOC's.
- d. The permittee shall maintain records of the following information for the blanket wash being used:
  - i. The material safety data sheet of the blanket wash showing vapor pressure.

### **6. Specific Reporting Requirements:**

The permittee shall submit a semi-annual report to the Division's Frankfort Field Office which contains a summary report of all recordkeeping required in No. 5.a of this section Pursuant to Section F.5, F.6 and F.7.

### **7. Specific Control Equipment Operating Conditions:**

See Section E



**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Waste paper cyclone and Dust Collector System	401 KAR 59:010
2. Small hot melt gluers	None
3. Ink jet printing and head cleaning	None
4. Two magazine glueing machines	None
5. Three Cooling tower	None
6. Three Chillers	None
7. Cold Solvent Cleaner	None
8. Non process space and water heaters	None
9. Propane Tank (18,000 gallons)	None
10. Co Ray Vac Radiant Comfort heaters 39 @ 40, 000 Btu/hr each Natural Gas/Propane	None
11. Eleven (11) Space Heaters (Total 1.66 mmBtu/hr) Three @ 80,000 Btu/hr, Two 115,000 Btu/hr Two @ 195, 000 Btu/hr and Four @ 200,000 Btu/hr Natural Gas/Propane	None

## **SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

**SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**Control System:**

**Regenerative Thermal Oxidizer (RTO):** MEGTEC "Clean Switch CS-250"

To control VOC from all ten presses

Destruction Efficiency: 99.5 % tested on May 28, 2002

Rated Capacity: 4.0 mmBtu/hr

Primary Fuel: Natural Gas

Secondary Fuel: Propane

**1. Operating Limitations:**

- a. The average combustion chamber temperature in any 3-hour period shall not fall below the combustion temperature limit established during the most recent performance test which demonstrated compliance.
- b. The average combustion temperature of Regenerating Thermal Oxidizer (RTO) in any 3-hour period must not fall more than 28 degrees Celsius (50 degrees Fahrenheit) below the average combustion temperature limit established during the most recent performance test.
- b. The permittee shall use the data collected during the performance test to calculate and record the average combustion temperature. This average combustion temperature is the minimum operating limit of the thermal oxidizer.

**Compliance Demonstration Method:**

Compliance shall be demonstrated by continuously recording temperature in the combustion chamber at a location in the combustion zone and calculating the 3-hr average operating temperature at 15-minute intervals.

- c. Each press and the control device shall be interlocked at all times during press operation;
- d. Pursuant to 401 KAR 50:012, Section 1(2), the permittee shall operate the Regenerative Thermal Oxidizer (RTO) at all times printing is being performed.
- e. A monitoring device for the continuous measurement of the combustion chamber temperature of the regenerative thermal oxidizer shall be calibrated, maintained, and operated according to the manufacturer's specifications. The monitoring device shall be certified by the manufacturer to be accurate to +/- 1 percent of the temperature being monitored. The monitoring device shall be connected to a device(s) that records the temperature via a strip chart, electronic media, or other means.

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)**

### **2. Testing Requirements:**

- a. The permittee shall conduct a performance test on the thermal oxidizer to determine the destruction efficiency for volatile organic compounds within the life of this permit.
- b. See Section G.a.17.
- c. Pursuant to 401 KAR 50:045 Section 5 in order to demonstrate that a source is capable of complying with a standard at all times, a performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirement on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.
- d. The permittee shall use the data collected during the performance test to calculate and record the average combustion temperature. This average combustion temperature is the minimum operating set point of the thermal oxidizer.

### **3. Specific Monitoring Requirements:**

- a. The permittee must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs. Compliance shall be demonstrated by monitoring and recording the combustion temperature continuously\*.  
\*Continuous parameter monitoring shall be a minimum of recording the measured value at least once every 15 minutes.
- b. The permittee shall perform an electronic calibration at least semi-annually. Following the electronic calibration, conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 30 degrees Fahrenheit of the process temperature sensor reading.
- c. The permittee shall conduct calibration and validation checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor.
- d. The permittee shall at least monthly, inspect components for integrity and electrical connections for continuity, oxidation, and galvanic corrosion

**SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS  
(CONTINUED)****4. Specific Recordkeeping Requirements:**

- a. The permittee shall maintain records of the following information for the thermal oxidizer:
  1. The design and/or manufacturer's specifications:
  2. The operational procedures and preventive maintenance records:
  2. The calibration records for the combustion temperature sensor, validation checks, and the subsequent accuracy audits:
  4. Maintain a log of visual inspections of each temperature sensor if redundant temperature sensors are not used:
  5. Maintain a record of the average combustion chamber temperature limit established during the most recent performance test and all relevant supporting data:
  6. The combustion chamber temperature of the thermal oxidizer shall be recorded continuously:
  7. All periods (during coating operations) during which the combustion chamber temperature of the thermal oxidizer is more than 28 degrees Celsius (50 degrees Fahrenheit) below the average combustion chamber temperature of the thermal oxidizer during the most recent performance test which demonstrated compliance. Each occurrence shall be considered a deviation from permit requirements.
  8. During all periods of operation of the thermal oxidizer in which the combustion chamber temperature of the thermal oxidizer is more than 28 degrees Celsius (50 degrees Fahrenheit) below the average combustion chamber temperature of the thermal oxidizer during the most recent performance test which demonstrated compliance, or other malfunction of the thermal oxidizer, a daily log of the following information shall be kept:
    - a. Whether any air emissions were visible from the facilities associated with the thermal oxidizer.
    - b. Whether visible emissions were normal for the process.
    - c. The cause of the visible emissions.
    - d. Corrective action(s) taken shall be recorded.
  9. A control efficiency of 0% shall be assumed for all periods the thermal oxidizer is receiving emissions during which the combustion chamber temperature of the thermal oxidizer is more than 28 degrees Celsius (50 degrees Fahrenheit) below the average combustion chamber temperature of the thermal oxidizer during the most recent performance test.
- b. All records shall be retained at the source for a period of five years.

**5. Specific Reporting Requirements:**

The permittee shall identify, record, and submit a written report to the Division's Frankfort Regional Office of each instance during which the average temperature of the thermal oxidizer falls more than 28 degrees Celsius (50 degrees Fahrenheit) below that at which compliance was demonstrated during the most recent measurement of oxidizer efficiency. If no such periods occur during a particular quarter, the permittee shall state this in a semi-annual report.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS**

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V )1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

**SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period.
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

## **SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

**Division for Air Quality  
Frankfort Regional Office  
643 Teton Trail, Suite B  
Frankfort, KY 40601**

**U.S. EPA Region IV  
Air Enforcement Branch  
Atlanta Federal Center  
61 Forsyth St.  
Atlanta, GA 30303-8960**

**Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601**

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.



**SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
  - a. Applicable requirements that are included and specifically identified in the permit and
  - b. Non-applicable requirements expressly identified in this permit.
17. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- (d) Construction, Start-Up, and Initial Compliance Demonstration Requirements  
**None**

- (e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

- (f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
  - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

- (g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 1515  
Lanham-Seabrook, MD 20703-1515.

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

## SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

**SECTION H - ALTERNATE OPERATING SCENARIOS**

None

**SECTION I - COMPLIANCE SCHEDULE**

None